

Claims:

1. An electronic paper file composed of an electronic paper of a flexible display medium and a cover to which a plurality of electronic papers can be attached, which comprising:

5 first storage means for storing display-data to be displayed on the electronic paper;

page selecting means for selecting a desired page; and

10 first display control means for obtaining from the first storage means the display-data corresponding to the desired page selected by the page selecting means and displaying said data on the electronic paper.

2. An electronic paper file according to claim 1, which comprising number-of-pages recognizing means for recognizing the number of the electronic papers attached to the cover.

15 3. An electronic paper file according to claim 1, wherein the first display control means displays the display-data corresponding to the desired page selected by the page selecting means and the display-data corresponding to the other pages consecutive to the display-data on a plurality of electronic papers respectively.

20 4. An electronic paper file according to claim 1, wherein the electronic paper can be attached or detached to or from the cover by providing one of a pair of connecting terminals on one end of the display unit of the electronic paper and the other on the cover, said connecting terminals comprising of the physical and electric connecting function.

25 5. An electronic paper file according to claim 4, wherein the arrangement order of the other connecting terminals on the cover is fixed.

30 6. An electronic paper file according to claim 4, which comprising a connecting unit on the cover in which a plurality of movable axis parts are disposed in the direction of the axis so as to be rotatable freely, said plurality of movable axis parts comprising the other connecting terminals.

35 7. An electronic paper file according to claim 4, which comprising attachable state detecting means for detecting whether the electronic paper is attached or detached to or from the other connecting terminal.

40 8. An electronic paper file according to claim 4, which comprising position detecting means for detecting rotated position of the other connecting terminal.

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9. An electronic paper file according to claim 7 or claim 8, wherein the attachable state detecting means imparts a connecting order ID number to the connecting terminal for identifying the connecting order of the connecting terminal according to either one of the attachable state of the electronic paper or the rotated position of the connecting terminal.

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10. An electronic paper file according to claim 9, wherein the first display control means displays the display-data according to the connecting order ID number imparted by the attachable state detecting means.

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15. An electronic paper file according to claim 4, wherein the page selecting means comprises page feed means for moving the display-data displayed on the display unit of the electronic paper forward or backward specific pages.

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20. An electronic paper file according to claim 7 or claim 11, wherein the attachable state detecting means starts up when the electronic paper is attached or detached to or from the other connecting terminal, when the electronic paper file is powered on, when the displaying of the electronic paper is reset, or when the page feed means starts up.

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25. An electronic paper file according to claim 4, wherein one of the connecting terminals comprises parallel reeds provided in parallel on the end of the electronic paper, while the other of the connecting terminals comprises a holding plate holding the electronic paper from both sides of the electronic paper and derivation reeds provided inside of the holding plate.

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35. An electronic paper file according to claim 4, wherein the page selecting means comprises display selecting means for allowing either one of the plural electronic pages display the desired display-data.

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40. An electronic paper file according to claim 3, wherein the electronic paper is provided with the page selecting means on a specific position.

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45. An electronic paper file according to claim 3, wherein the electronic paper is provided with the page selecting means at the end of the display unit.

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16. An electronic paper file according to claim 3, wherein the electronic paper is provided with the page selecting means on a backside.

17. An electronic paper file according to claim 3, wherein the electronic paper is provided with the page selecting means on a backside.

18. An electronic paper file according to claim 3, which comprising page number display means for displaying a page number selected by the page selecting means.

5 19. An electronic paper file according to claim 18, wherein the page number display means is provided at a specific position of the electronic paper.

10 20. An electronic paper file according to claim 3, wherein the page selecting means can perform the remote control of the electronic paper file.

15 21. An electronic paper file according to claim 3, wherein the page selecting means can perform the remote control of the electronic paper.

22. An electronic paper file according to claim 3, wherein the page selecting means selects a desired page by means of soft keyboard displayed on the display unit.

20 23. An electronic paper file according to claim 3, wherein the display unit comprises the digitizer function.

24. An electronic paper file according to claim 3, wherein the electronic paper comprises second storage means for storing specific display-data.

25 25. An electronic paper file according to claim 24, wherein the electronic paper comprises sending-receiving means for obtaining specific display-data from a specific storage medium and inputting the specific display-data in the second storage means.

30 26. An electronic paper file according to claim 3, wherein the cover comprises electronic paper detecting means for detecting an electronic papers within a specific range from the cover.

35 27. An electronic paper file according to claim 24, wherein the second storage means stores an ID number for specifying an electronic paper.

40 28. An electronic paper file according to claim 26, wherein the cover comprises number imparting means for imparting an electronic paper number to an electronic paper for identifying with a destination of a specific page of the display-data on the basis of the ID number identifying with an electronic paper.

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29. An electronic paper file according to claim 24, wherein the cover comprises first display control means for obtaining display-data corresponding to a page selected by the page selecting means from the first storage means or the second storage means and then displaying the data on the electronic paper.

30. An electronic paper file according to claim 24, wherein the electronic paper comprises second display control means for obtaining display-data corresponding to a page selected by the page selecting means from the first storage means or the second storage means and then displaying the data on the electronic paper.

31. An electronic paper file according to claim 25, wherein the sending-receiving means of the cover and the sending-receiving means of the electronic paper mutually send and receive the display-data stored in the first storage means and the second storage means.

32. An electronic paper file according to claim 25, wherein the sending-receiving means receives the display-data through the Internet.

33. An electronic paper file composed of an electronic paper of a flexible display medium and a cover to which a plurality of electronic paper can be attached, which comprising:

position selecting means for selecting a specific position or area on the electronic paper;

editing means for editing the display-data corresponding to the selected position or area and updating the display-data relevant to the editing and displayed on the other electronic paper; and

display light control means for displaying the display-data edited by the editing means on the electronic paper.

34. An electronic paper file according to claim 33, wherein the display-data is stored in storage means provided on each electronic paper.

35. An electronic paper file according to claim 34, wherein the display-data comprises character data and image data, and the storage means manages the character data and the image data so as to be able to edit respective data separately.

36. An electronic paper file according to claim 33 or claim 34, wherein the editing is to delete the display-data corresponding to the selected area, and the editing means moves the display-data placed at the rear of the deleted display-data toward the area on which the deleted display-data has been displayed.

37. An electronic paper file according to claim 33 or claim 34, wherein the editing is to delete the display-data corresponding to the selected area, and the editing means retains the area that the deleted display-data has been displayed.

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38. An electronic paper file according to claim 33 or claim 34, wherein the editing is to move the display-data corresponding to the selected area, and the editing means moves to the area to be an object of moving display-data placed at the rear of the display-data to be the object of moving.

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39. An electronic paper file according to claim 33 or claim 34, wherein the editing is to move the display-data corresponding to the selected area, and the editing means retains the area to be an object of moving.

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40. An electronic paper file according either one of claims 33 to 39, wherein the electronic paper is attachable or detachable to or from the cover.

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41. An electronic paper file according to claim 33, wherein the electronic paper can be attached or detached to or from the cover by providing one of a pair of connecting terminals at one end of the display unit of the electronic paper and the other of connecting terminals to the cover, said connecting terminal comprising the physical and electric connecting function.

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42. An electronic paper file according to claim 41, wherein the arrangement order of the other connecting terminals on the cover is fixed.

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43. An electronic paper file according to claim 41, which comprising a connecting unit on the cover in which a plurality of movable axis parts are disposed in the direction of axis so as to be rotatable freely, said plurality of movable axis parts comprising the other connecting terminals.

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44. An electronic paper file according to claim 41, which comprising attachable state detecting means for detecting whether the electronic paper is attached or detached to or from the other connecting terminal.

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45. An electronic paper file according to claim 41, which comprising position detecting means for detecting rotated position of the connecting terminal of the cover.

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46. An electronic paper file according to claim 44 or claim 45, wherein the attachable state detecting means imparts a connecting order ID number to a connecting terminal for identifying with the connecting order of the connecting terminal according to either one of the attachable state of the electronic paper or the rotated position of the other connecting terminal.

47. An electronic paper file according to claim 46, wherein the display light control means performs the display processing of the display-data on the basis of the connecting order ID number imparted by the attachable state detecting means.